

Claims

1. Apparatus for the cleaning of interior pipe walls by means of a coil spring (2) forming a spring shaft (1) with windings (3, 3a, 3b, 3c) of spring steel and with a rotation axis (RA) and a coiled winding axis (WA-WA), the windings (3, 3a, 3b, 3c) having at least on their exterior (4) a cross section different from the circular shape, characterized in that at least the exterior (4) of the windings is profiled such that the spring shaft (1) itself acts with at least one edge (K) scrapingly on contamination of the pipe walls.
2. Apparatus according to claim 1, characterized in that the exterior (4) is provided with at least one longitudinal groove (8) following the windings (3, 3c).
3. Apparatus according to claim 1, characterized in that the cross section of the windings (3b) is a square whose one surface diagonal (4b) runs at least substantially radially to the rotation axis (RA).
4. Apparatus according to claim 1, characterized in that the exterior (4) is provided with a profile (5) in which projections (6) and grooves (7, 8) alternate.
5. Apparatus according to claim 4, characterized in that the projections (6) are sharp-edged at least in a circumferential direction of the winding axis (WA-WA).

6. Apparatus according to claim 4, characterized in that the projections (6) are surrounded by the grooves (7, 8).

7. Apparatus according to claim 4, characterized in that the grooves (7, 8) form two groups of which the grooves (7) of the one group run substantially in the circumferential direction of the winding axis (WA-WA) and the grooves (8) of the other group at an angle thereto.

8. Apparatus according to claim 7, characterized in that the grooves (7, 8) of both groups cross one another at an angle between 30 and 60 degrees.

9. Apparatus according to claim 8, characterized in that the projections (6) overlap one another in the circumferential direction of the winding axis (WA-WA) such that drive jaws of a driving machine for the apparatus (1) cannot drop into the grooves (8).

10. Apparatus according to claim 8, characterized in that the projections (6) are of rhomboidal shape in plan.